	WEDNESDAY JUNE 15th						
TIME	**ACTIVITY**						
7:30 AM	Breakfast						
	ART lobby						
8:00 AM	Plenary						
	ART 103						
	Pascale Garaud						
	Stellar fluid dynamics						
9:00 AM	Coffee Break						
	ART lobby						
	MS Sessions F						
	ART 102	*ART 104*	*ART 108*	*ART 110*	*ART 112*	*ART 114*	*ART 103*
	MS09: Bifurcations & dynamics in biological systems (part VI)	MS10: Conservative & geometric discretizations (part III)	MS27: Stochasticity in biofluids & dynamical neuroscience	MS13: Mechanism Design	MS29: Theory & numerics of the EMI model of excitable tissue	MS12-V: Big data and AI for public health	MS01: Adaptivity in numerical methods for differential equations (part I)
9:30 AM	Shigui Ruan		Henry Shum	Michael Feldman	Raymond Spiteri	David Buckeridge	Connor Tannahill
	Spreading speeds and traveling wave solutions of diffusive vector-borne disease models		*Hydrodynamic modelling of bacteria in microfluidic environments*	*Prophet and Secretary Online Algorithms for Graph Matching*	*A brief history of the brief history of the EMI model*	*TBA*	*MM-ADMM: Implicit Integration of MMPDEs in Parallel*
9:55 AM	Michael Li	Erick Schulz	Pradeep Kunwar	Berczi Kristof	Joyce Reimer	Laura rosella	Abu Naser Sarker
	Robust Transient Oscillations in the Dynamics of Immune Response to Viral Infections	*Minimal-Norm Discrete Multiplier Method*	*Mean First Assembly Time for red blood cell agregation based on extended Becker Doring Model for stochastic self assembly*	*A dual approach for dynamic pricing in multi-demand markets*	*Cardiac Tissue Modelling and the Bipolar Strength-Interval Curve*	*Improving the health of populations through precision public health: The role of AI and Machine Learning*	*A Moving Mesh Method for a Moving Boundary Problem Related to Corrosion*
10:20 AM	Zhisheng Shuai	Christian Offen	Gurpreet Jagdev	Rebecca Reiffenhauser	Ena Ivanovic	Joon Lee	Paul Muir
	Impact of Varying Community Networks on Disease Invasion	*Variational integration of learned dynamical systems*	*Noise-induced network bursts and coherence in a calcium-mediated neural network*	*Efficient Two-Sided Markets with Limited Information*	*Exploring ephaptic interactions between two cardiac cells: the IMEMI model*	*TBA*	*Performance Analysis of Numerical Solvers on Covid-19 Models with Discontinuities*
10:45 AM	Jane M Heffernan	Milo Viviani	Xuan Xia	Xinyue Xie	Ada Johanne Ellingsrud	Dan Lizotte	Wayne Enright
	Modelling Immunity	*Canonical Scale Separation in 2D Incompressible Hydrodynamics*	*Mixed Mode Bursting Oscillations Induced by Birhythmicity and Noise*	*A Two-Step Approach to Optimal Dynamic Pricing in Multi-Demand Combinatorial Markets*	*Finite element simulation of ionic electrodiffusion in cellular geometries*	*Quantifying Discourse on Social Media for Public Health*	*Accurate Simulations of Models of Epidemics with Interventions*
11:10 AM	Health-A-Thon						
	ART 102	*ART 104*	*ART 108*	*ART 110*	*ART 112*		
	Group #1	Group #2	Group #3	Group #4	Group #5		
11:55 AM	Lunch						
	Sun Room						
13:30 PM	Navigating EDI						
	Sun Room						

14:30 PM	Coffee Break						
	ART lobby						
	MS SESSIONS G						
	ART 102	*ART 104*	*ART 108*	*ART 110*	*ART 112*		
	MS09: Bifurcations & dynamics in biological systems (part VII)	MS10: Conservative & geometric discretizations (part IV)		MS06: Applied optimization in the energy sector	MS17-V: Optimization for machine learning		
15:00 PM	Julien Arino	Geoffrey McGregor		Mohammad Asghari	Fabian Pedregosa		
	TBA	*Conservative Hamiltonian Monte Carlo*		*Energy-based industrial symbiosis risk management using Organic Rankine Cycle (ORC) systems*	*Super-Acceleration with Cyclical Step-sizes*		
15:25 PM	Yi Tan	Andrew Giuliani		Ali Keyvandarian	Gauthier Gidel		
	A Stochastic Differential Equation Model for Mitigation and Control of COVID-19 with Vaccination	*High-order state redistribution methods on cut cell grids*		*Robust Optimal Sizing of a Stand-alone Hybrid Renewable Energy System Using Dynamic Uncertainty Sets*	*Extragradient Methods: O(1/K) Last-Iterate Convergence for Monotone Variational Inequalities*		
15:50 PM	Xiyuan Li	Anil Hirani		Mostafa Mostafavi Sani	Raghu Bollapragada		
	Some Mathematical Models of COVID-19 Transmission and the Role of Protective Measures	*Averaging Property of a Discrete Wedge Product*		*A Framework for Selecting a Sustainable Waste-to-Energy Technology: A case study in Nova Scotia, Canada*	*Retrospective Approximation for Stochastic Optimization*		
16:15 PM	Plenary						
	High order structure preserving time discretization for multiscale hyperbolic and kinetic equations						
	Jingwei Hu						
	ART 103						
17:15 PM	Bus to downtown						
18:00 PM	Banquet						
	Laurel Packinghouse						
	1304 Ellis Street						
21:00 PM	Bus back to campus						
21:45 PM							